



Patent  
Attorney Docket No. 028754-039

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Ross, Douglas D. et. al.

Application No.: 09/961,086

Filing Date: September 21, 2001

Title: Breast Cancer resistance Protein (BCRP) and the DNA which Encodes it

Group Art Unit: 1642

Examiner: Susan Ungar

Confirmation No.: 6592

FOURTH  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a FOURTH Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

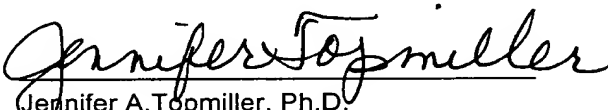
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: April 13, 2004

By

  
Jennifer A. Topmiller, Ph.D.  
Registration No. 50,435



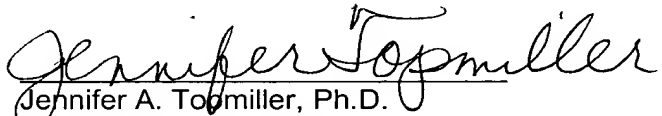
To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date April 13, 2004

By:

  
Jennifer A. Topmiller, Ph.D.  
Registration No. 50,435

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

(use as many sheets as necessary)

Sheet

1

of

1

09/961.086

September 21, 2001

Ross, Douglas D. et. al.

Susan Ungar

028754-039

APR 13 2004

[illegible][illegible]

| NON-PATENT LITERATURE DOCUMENTS |   |
|---------------------------------|---|
| Examiner Initials               | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|                                 | CHANG-JIE CHEN, ET AL., "Genomic Organization of the Human Multidrug Resistance (MDR1) Gene and Origin of P-glycoproteins", The Journal of Biological Chemistry, Vol. 265(1):506-514 (1999)   |
|                                 | A. AUSTIN DOYLE ET AL., "Characterization of a 95 Kilodalton Membrane Glycoprotein Associated with Multi-Drug Resistance", Int. J. Cancer: 62:593-598 (1995)  |
|                                 | L.A. DOYLE ET AL., "Expression of a 95 kDa Membrane Protein is Associated with Low Daunorubicin Accumulation in Leukaemic Blast Cells", Br. J. Cancer 1995 Jan.;71(1)52-8   |
|                                 | D.D.ROSS ET AL., "Expression of Multidrug Resistance-Associated Protein (MRP) mRNA in Blast Cells from Acute Myeloid Leukemia (AML) Patients", Leukemia (1996) 10, 48-55  |
|                                 | D.D.ROSS ET AL., "Susceptibility of Idarubicin, Daunorubicin, and Their C-13 Alcohol Metabolites to Transport-Mediated Multidrug Resistance", Biochemical Pharmacology, Vol. 50(10):1673-1683 (1995)  |
|                                 |   |
|                                 |   |

Examiner  
Initials

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

CHANG-JIE CHEN, ET AL., "Genomic Organization of the Human Multidrug Resistance (MDR1) Gene and Origin of P-glycoproteins", The Journal of Biological Chemistry, Vol. 265(1):506-514 (1999)

A. AUSTIN DOYLE ET AL., "Characterization of a 95 Kilodalton Membrane Glycoprotein Associated with Multi-Drug Resistance", *Int. J. Cancer*: 62:593-598 (1995)

L.A. DOYLE ET AL., "Expression of a 95 kDa Membrane Protein is Associated with Low Daunorubicin Accumulation in Leukaemic Blast Cells", Br. J. Cancer 1995 Jan.;71(1)52-8

D.D.ROSS ET AL., "Expression of Multidrug Resistance-Associated Protein (MRP) mRNA in Blast Cells from Acute Myeloid Leukemia (AML) Patients", *Leukemia* (1996) 10, 48-55

D.D.ROSS ET AL., "Susceptibility of Idarubicin, Daunorubicin, and Their C-13 Alcohol Metabolites to Transport-Mediated Multidrug Resistance". *Biochemical Pharmacology*, Vol. 50(10):1673-1683 (1995)

Examiner  
Signature

Date \_\_\_\_\_

**Data Considered**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.